CLAIMS

What is claimed is:

1.	An apparatus, comprising:	
	a thermally conductive core;	
	a thermally conductive frame positioned around the core, the frame	
defining at least one opening; and		
	at least one thermally conductive insert disposed in the opening in the	
frame.		
2.	The apparatus of claim 1, wherein the frame defines an opening adapted	
to receive th	e core and the core is disposed inside the opening adapted to receive the	
core.		
3.	The apparatus of claim 2, wherein the core includes a post and base, with	
the base protruding from the frame.		
4.	The apparatus of claim 1, wherein the core and frame are monolithic.	
5.	The apparatus of claim 1, wherein the frame includes a framework of	
members defining an array of openings with the inserts disposed in the openings.		
6.	The apparatus of claim 5, wherein the framework includes a primary	
member and	a secondary member, wherein the primary member is thicker than the	
secondary m	nember.	
7.	The apparatus of claim 1, wherein the inserts include at least one insert	
having a folded fin structure.		
8.	The apparatus of claim 1, wherein:	
	frame. 2. to receive the core. 3. the base production of the base	

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the core comprises a copper post;

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3		the frame comprises extruded aluminum; and	
4		the inserts comprise folded fin structures.	
1	9.	A method, comprising:	
2		providing a thermally conductive core;	
3		positioning a thermally conductive frame around the core, the frame	
4	defining at least one opening; and		
5		inserting a thermally conductive insert in the opening in the frame.	
1	10.	The method of claim 9, wherein the frame defines an opening adapted to	
2	receive the	core and the positioning comprises securing the core inside the opening	
3	adapted to receive the core.		
1	11.	The method of claim 10, wherein the core includes a post and base, with	
2	the base protruding from the frame.		
1	12.	The method of claim 9, wherein the core and frame are monolithic.	
1	13.	The method of claim 9, wherein the frame includes a framework of	
2	members defining an array of openings and the inserting comprises inserting a plurality		
3	of thermally	conductive inserts in respective openings of the array of openings.	
1	14.	The method of claim 13, wherein the framework includes a primary	
2	member and a secondary member, wherein the primary member is thicker than the		
3	secondary member.		
1	15.	The method of claim 9, wherein the inserts include at least one insert	
2	having a folded fin structure.		
1	16.	The method of claim 9, wherein:	
2		the core comprises a copper post;	

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3		the frame comprises extruded aluminum; and	
4		the insert comprise a folded fin structure.	
1	17.	A system, comprising:	
2		a heatsink assembly, comprising:	
3		a thermally conductive core;	
4		a thermally conductive frame positioned around the core, the frame	
5	defining at least one opening;		
6		at least one thermally conductive insert disposed in the opening in	
7	the frame; and		
8		an electronic component thermally coupled to the core of the heatsink.	
1	18.	The system of claim 17, wherein the frame defines an opening adapted to	
2	receive the core and the core is disposed inside the opening adapted to receive the		
3	core.		
1	19.	The system of claim 18, wherein the core includes a post and base, with	
2	the base protruding from the frame.		
1	20.	The system of claim 19, wherein the electronic component is thermally	
2	coupled to the	ne protruding base of the core, providing an air gap between the electronic	
3	component and the heatsink.		
1	21.	The system of claim 21, furthering comprising a fan mounted to the	
2	heatsink and	configured to draw air through the heatsink outward from the electronic	
3	component.		
1	22.	The system of claim 17, wherein the core and frame are monolithic.	

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1	23.	The system of claim 17, wherein the frame includes a framework of	
2	members de	efining an array of openings with the inserts disposed in the openings.	
1	24.	The system of claim 23, wherein the framework includes a primary	
2	member and	d a secondary member, wherein the primary member is thicker than the	
3	secondary member.		
1	25.	The system of claim 17, wherein the inserts include at least one insert	
2	having a folded fin structure.		
1	26.	The system of claim 17, wherein:	
2		the core comprises a copper post;	
3		the frame comprises extruded aluminum; and	
4		the inserts comprise folded fin structures.	
1	27.	The system of claim 17, further comprising:	
2		a fan mounted to the heatsink.	
1	28.	The system of claim 27, further comprising:	
2		a system board, with the electronic component mounted on the system	
3	board.		
1	29.	The system of claim 28, further comprising:	
2		a circuit card connected to the system board.	
1	30.	The system of claim 28, wherein the system board comprises a	
2	motherboard	and the electronic component comprises a microprocessor.	

The system of claim 28, further comprising:

a display operably connected to the system board.

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